

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/537,864  
Source: PCT  
Date Processed by STIC: 06/16/2005

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PCT

## RAW SEQUENCE LISTING

DATE: 06/16/2005

PATENT APPLICATION: US/10/537,864

TIME: 10:19:55

Input Set : A:\AH01646Ka.ST25.txt

Output Set: N:\CRF4\06162005\J537864.raw

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3 <110> APPLICANT: Mattson, Jeanine
4     McClanahan, Terrill
6 <120> TITLE OF INVENTION: Canine RANKL and Methods for Preparing and Using the Same
8 <130> FILE REFERENCE: AH01646PK
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/537,864
C--> 11 <141> CURRENT FILING DATE: 2005-06-07
13 <150> PRIOR APPLICATION NUMBER: US60/432092
14 <151> PRIOR FILING DATE: 2002-12-10
16 <160> NUMBER OF SEQ ID NOS: 15
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 989
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: artificial sequence for canine RANK ligand
28 <220> FEATURE:
29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: (1)..(21)
31 <223> OTHER INFORMATION: human primer sequence
34 <220> FEATURE:
35 <221> NAME/KEY: misc_feature
36 <222> LOCATION: (865)..(867)
37 <223> OTHER INFORMATION: stop codon
40 <400> SEQUENCE: 1
41 ccattgcgcgcg cgccagcaga gactacagca agtacctgcg ccgcctcccg ctccgtggcc      60
43 gtggccttcc tggggctggg gctgggcccag gtggtctgca gcgtcgcoct gttcctctac      120
45 ttcaggggctc agatgggatcc taatagaata tcagaagatg acactcactg cattaataga      180
47 attttcaaac tccatgaaaa tgcagatttg caagacacaa ctctggagaa tcaagacaca      240
49 aaattaatac ctgattcggtg taagagcatt aagcaggcct tccgagccgc cgtacaaaag      300
51 gaattacaac atattgttag atcacaacac atcagagcag aaaaagctat gatggaagggt      360
53 tcatggttgg aaatggccag gaggggcaag actcatactc aaccttttgc tcatctcact      420
55 atcaatgcca ctgacatccc atctggttcc cacaagtgta gtctgtcctc ctggtaccat      480
57 gaccgagggtt gggccaagat ctccaacatg actttcagca atgggaaact aatagttaac      540
59 caagatggct tttatttccg gtacgccaac atttgcttta gacatcatga aacttcagga      600
61 gacctcgcca cagagtatct tcagctgatg gtgtatgtca ctaaaaccag catcaaaatc      660
63 ccgagttctc atacactgat gaaaggagggt agcaccaaact actggtcagg gaattctgaa      720
65 ttccattttt attccataaa cgttggagga ttttttaagc tacgatctgg tgaggaaata      780
67 agcatcgagg tatccaaccc atcactactg gaccagatc aagatgcaac atactttggg      840
69 gcttttaagg ttctagatat agattgagtc ccattttatg gagtgttatt ctgtatttcc      900
71 gaggatgtat ggaaaatttt tttaaacaag gcaagaaaga tgtatataga tgtgagacta      960
73 ctaaggggta tgaccacaaa tgatacaag                                989
76 <210> SEQ ID NO: 2

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77 <211> LENGTH: 275
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: artificial sequence for canine RANK ligand
84 <400> SEQUENCE: 2
86 Ala Ala Ser Arg Ser Val Ala Val Ala Phe Leu Gly Leu Gly Leu Gly
87 1      5      10      15
90 Gln Val Val Cys Ser Val Ala Leu Phe Leu Tyr Phe Arg Ala Gln Met
91      20      25      30
94 Asp Pro Asn Arg Ile Ser Glu Asp Asp Thr His Cys Ile Asn Arg Ile
95      35      40      45
98 Phe Lys Leu His Glu Asn Ala Asp Leu Gln Asp Thr Thr Leu Glu Asn
99      50      55      60
102 Gln Asp Thr Lys Leu Ile Pro Asp Ser Cys Lys Ser Ile Lys Gln Ala
103 65      70      75      80
106 Phe Arg Ala Ala Val Gln Lys Glu Leu Gln His Ile Val Arg Ser Gln
107      85      90      95
110 His Ile Arg Ala Glu Lys Ala Met Met Glu Gly Ser Trp Leu Glu Met
111      100     105     110
114 Ala Arg Arg Gly Lys Thr His Thr Gln Pro Phe Ala His Leu Thr Ile
115      115     120     125
118 Asn Ala Thr Asp Ile Pro Ser Gly Ser His Lys Val Ser Leu Ser Ser
119      130     135     140
122 Trp Tyr His Asp Arg Gly Trp Ala Lys Ile Ser Asn Met Thr Phe Ser
123 145     150     155     160
126 Asn Gly Lys Leu Ile Val Asn Gln Asp Gly Phe Tyr Phe Leu Tyr Ala
127      165     170     175
130 Asn Ile Cys Phe Arg His His Glu Thr Ser Gly Asp Leu Ala Thr Glu
131      180     185     190
134 Tyr Leu Gln Leu Met Val Tyr Val Thr Lys Thr Ser Ile Lys Ile Pro
135      195     200     205
138 Ser Ser His Thr Leu Met Lys Gly Gly Ser Thr Lys Tyr Trp Ser Gly
139      210     215     220
142 Asn Ser Glu Phe His Phe Tyr Ser Ile Asn Val Gly Gly Phe Phe Lys
143 225     230     235     240
146 Leu Arg Ser Gly Glu Glu Ile Ser Ile Glu Val Ser Asn Pro Ser Leu
147      245     250     255
150 Leu Asp Pro Asp Gln Asp Ala Thr Tyr Phe Gly Ala Phe Lys Val Leu
151      260     265     270
154 Asp Ile Asp
155      275
158 <210> SEQ ID NO: 3
159 <211> LENGTH: 18
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: T7 primer
166 <400> SEQUENCE: 3

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167 taatacgact cactatag 18
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171 <211> LENGTH: 21
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: RANKL human/AS2 primer
178 <400> SEQUENCE: 4
179 ggtgtgtgag actactaaga g 21
182 <210> SEQ ID NO: 5
183 <211> LENGTH: 21
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: RANKL human/S6 primer
190 <400> SEQUENCE: 5
191 ccatgcgccg cgccagcaga g 21
194 <210> SEQ ID NO: 6
195 <211> LENGTH: 20
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: RANKL human/AS4 primer
202 <400> SEQUENCE: 6
203 gccaaagtct ccaacatgac 20
206 <210> SEQ ID NO: 7
207 <211> LENGTH: 22
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: RANKL human/S3 primer
214 <400> SEQUENCE: 7
215 gacacaactc tggagagtca ag 22
218 <210> SEQ ID NO: 8
219 <211> LENGTH: 24
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: RANKL dog/AS1 primer
226 <400> SEQUENCE: 8
227 gccactgaca tcccatctgg ttcc 24
230 <210> SEQ ID NO: 9
231 <211> LENGTH: 24
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: RANKL dog/AS2 primer
238 <400> SEQUENCE: 9
239 ccaaccatga accttccatc atag 24

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250 <400> SEQUENCE: 10
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255 <211> LENGTH: 18
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Sp6 primer
262 <400> SEQUENCE: 11
263 atttaggtga cactatag                18
266 <210> SEQ ID NO: 12
267 <211> LENGTH: 24
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: RANKL dog/S2 primer
274 <400> SEQUENCE: 12
275 gccactgaca tcccatctgg ttcc        24
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279 <211> LENGTH: 20
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: pSPORT1 primer
286 <400> SEQUENCE: 13
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291 <211> LENGTH: 23
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: RANKL dog/AS4 primer
298 <400> SEQUENCE: 14
299 cttgtatcat tgtgggtcat acc          23
302 <210> SEQ ID NO: 15
303 <211> LENGTH: 24
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: RANKL dog/AS3 primer
310 <400> SEQUENCE: 15
311 ccagattaga gcaattatgg ttgc        24

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/537,864

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Input Set : A:\AH01646Ka.ST25.txt

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L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date